

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

1-21. (canceled)

22. (new) Method for constructing and viewing computer model image, comprising the following steps:

defining and applying display attributes for the objects comprising the model,

storing the aforementioned attributes in a memory,

displaying the image on a viewing screen (1),

selecting at least one image zone,

displaying the part of the image located outside the selected zone (2) with the current display attributes,

defining the specific display attributes for the objects to be displayed inside the selected zone (2) by application of a function (f) of the distance between the object to be displayed and the screen plane, and

displaying the part of the image located in the selected zone (2) with the specific display attributes.

23. (new) Method according to claim 22, wherein the objects for which the value of function (f) is less than a predefined

threshold are deleted from the list of the objects to be displayed.

24. (new) Method according to claim 22, wherein the defined specific display attributes are stored for maintaining their application to the objects to be displayed even after modification from the image viewpoint.

25. (new) Method according to claim 22, wherein the display attributes include an opacity value.

26. (new) Method according to claim 22, wherein the display attributes include a Boolean visibility value.

27. (new) Method according to claim 22, wherein the list of the objects to display is determined by selecting the objects of the model projected in said selected zone (2).

28. (new) Method according to claim 27, wherein the selection of the objects to be displayed is refined by deleting the objects less than a predetermined distance from the screen plane.

29. (new) Method according to claim 22, wherein the current display attributes are stored before definition of the specific display attributes for later use.

30. (new) Method according to claim 22, wherein the selected zone (2) is linked to the objects to be displayed so that they still correspond whatever the changes of the viewpoint position.

31. (new) Method according to claim 22, wherein the selection of the image zone is modified by moving said selected zone (2).

32. (new) Method according to claim 22, wherein the selection of the image zone is modified by changing the dimension of said selected zone (2).

33. (new) Method according to claim 22, wherein the selection of the image zone is modified by changing the position of the screen plane.

34. (new) Method according to claim 22, wherein the selection of the image zone is modified by moving the computer model in the screen plane.

35. (new) Device for constructing and viewing a computer model image, comprising:

means for defining and applying the display attributes of the objects constituting the model, a memory capacity for data storage,

a screen (1) for viewing and means for displaying the image on said screen (1), a man-machine interface (3) with means for selecting at least one zone of the image and means for data input of at least one parameter for defining the specific display attributes for the objects to be displayed in said selected zone (2), said means for data input comprising means for selecting a function (f) of the distance between the object to be displayed and the screen plane of the image to be applied for the definition of the specific display attributes, for displaying the part of the image located outside said selected zone (2) with the current display attributes, and for displaying the part of the image located inside said selected zone (2) with the specific display attributes.

36. (new) Device according to claim 35, wherein the means of data input comprise means for inputting a threshold value in order to delete from the list of objects to be displayed those for which the value of the function (f) is less than the said threshold.

37. (new) Device according to claim 35, wherein the selection zone is a disc.

38. (new) Device according to claim 37, wherein the man-machine interface (3) includes means for adjusting the radius of the selection zone.

39. (new) Device according to claim 35, wherein it includes means for the local processing of objects illumination.

40. (new) Device according to claim 35, wherein the means for data input are located on the circumference of the contour of said selected zone.